

1/16

## SEQUENCE LISTING

<110> Takeda Chemical Industries, Ltd. ; Yusuke NAKAMURA

<120> New Protein and its DNA

<130> 2619WOOP

<150> JP 11-181131

<151> 1999-06-28

<150> JP 11-192391

<151> 1999-07-06

<150> JP 2000-017770

<151> 2000-01-21

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25

30

Pro Leu Leu Arg Lys Ser Ser Arg Arg Phe Val Ile Phe Pro Ile Gln

35	40	45
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50	55	60
<b>Thr Ala Glu Glu Val Asp Leu Ser Lys Asp Leu Pro His Trp Asn Lys</b>		
65	70	75
<b>Leu Lys Ala Asp Glu Lys Tyr Phe Ile Ser His Ile Leu Ala Phe Phe</b>		
85	90	95
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100	105	110
<b>Gln Glu Val Gln Val Pro Glu Ala Arg Cys Phe Tyr Gly Phe Gln Ile</b>		
115	120	125
<b>Leu Ile Glu Asn Val His Ser Glu Met Tyr Ser Leu Leu Ile Asp Thr</b>		
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145	150	155
<b>160</b>		
<b>Thr Met Pro Tyr Val Lys Lys Ala Asp Trp Ala Leu Arg Trp Ile</b>		
165	170	175
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<b>Val Glu Gly Val Phe Phe Ser Gly Ser Phe Ala Ala Ile Phe Trp Leu</b>		
195	200	205
<b>Lys Lys Arg Gly Leu Met Pro Gly Leu Thr Phe Ser Asn Glu Leu Ile</b>		
210	215	220

Ser Arg Asp Glu Gly Leu His Cys Asp Phe Ala Cys Leu Met Phe Gln

225                    230                    235                    240

Tyr Leu Val Asn Lys Pro Ser Glu Glu Arg Val Arg Glu Ile Ile Val

245                    250                    255

Asp Ala Val Lys Ile Glu Gln Glu Phe Leu Thr Glu Ala Leu Pro Val

260                    265                    270

Gly Leu Ile Gly Met Asn Cys Ile Leu Met Lys Gln Tyr Ile Glu Phe

275                    280                    285

Val Ala Asp Arg Leu Leu Val Glu Leu Gly Phe Ser Lys Val Phe Gln

290                    295                    300

Ala Glu Asn Pro Phe Asp Phe Met Glu Asn Ile Ser Leu Glu Gly Lys

305                    310                    315                    320

Thr Asn Phe Phe Glu Lys Arg Val Ser Glu Tyr Gln Arg Phe Ala Val

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 CTTAAAGCAG ATGAGAAGTA CTTCATCTCT CACATCTTAG CCTTTTTGC AGCCAGTGAT 300  
 GGAATTGTA ATGAAAATT GGTGGAGCGC TTTAGTCAGG AGGTGCAGGT TCCAGAGGCT 360  
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 TTGATGAAAC AGTACATTGA GTTGTAGCT GACAGATTAC TTGTGGAACT TGGATTCTCA 900  
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20

25

30

Thr Pro Pro Ala Leu Ser Gly Thr Arg Val Leu Ala Ser Lys Thr Ala

35

40

45

Arg Arg Ile Phe Gln Glu Pro Thr Glu Pro Lys Thr Lys Ala Ala Ala

50

55

60

Pro Gly Val Glu Asp Glu Pro Leu Leu Arg Glu Asn Pro Arg Arg Phe

65

70

75

80

Val Ile Phe Pro Ile Glu Tyr His Asp Ile Trp Gln Met Tyr Lys Lys

85

90

95

Ala Glu Ala Ser Phe Trp Thr Ala Glu Glu Val Asp Leu Ser Lys Asp

100

105

110

Ile Gln His Trp Glu Ser Leu Lys Pro Glu Glu Arg Tyr Phe Ile Ser

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His Val Leu Ala Phe Phe Ala Ala Ser Asp Gly Ile Val Asn Glu Asn

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140

Leu Val Glu Arg Phe Ser Gln Glu Val Gln Ile Thr Glu Ala Arg Cys

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150

155

160

Phe Tyr Gly Phe Gln Ile Ala Met Glu Asn Ile His Ser Glu Met Tyr  
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 Leu Phe Asn Ala Ile Glu Thr Met Pro Cys Val Lys Lys Ala Asp  
 195                    200                    205  
 Trp Ala Leu Arg Trp Ile Gly Asp Lys Glu Ala Thr Tyr Gly Glu Arg  
 210                    215                    220  
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 Val Arg Glu Ile Ile Ile Asn Ala Val Arg Ile Glu Gln Glu Phe Leu  
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 Thr Glu Ala Leu Pro Val Lys Leu Ile Gly Met Asn Cys Thr Leu Met  
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